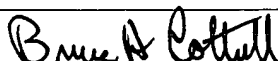


<b>FEE TRANSMITTAL</b> <b>For FY 2004</b> <small>Patent fees are subject to annual revision</small>				<b>Complete if Known</b>																																																																																																																									
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27				Application Number: 10/624,348 Filing Date: 7/21/2003 First Named Inventor: James R. Groves Examiner Name: C. Cooke Group/Art Unit: 1754 Attorney Docket No.: S-100,536																																																																																																																									
<b>TOTAL AMOUNT OF PAYMENT: \$ 180.00</b>																																																																																																																													
METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																									
1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17				<b>3. ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee Code</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1051 \$130</td> <td>2051 \$65</td> <td>Surcharge – late filing fee or oath</td> <td></td> </tr> <tr> <td>1052 \$50</td> <td>2052 \$25</td> <td>Surcharge – late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1812 \$2,520</td> <td>1812 \$2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1251 \$110</td> <td>2251 \$55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 \$420</td> <td>2252 \$210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 \$950</td> <td>2253 \$475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254 \$1,480</td> <td>2254 \$740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 \$2,010</td> <td>2255 \$1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401 \$330</td> <td>2401 \$165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402 \$330</td> <td>2402 \$165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 \$290</td> <td>2403 \$145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1452 \$110</td> <td>2452 \$55</td> <td>Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>1814 \$110</td> <td>2814 \$55</td> <td>Terminal Disclaimer</td> <td></td> </tr> <tr> <td>1453 \$1,330</td> <td>2453 \$665</td> <td>Petition to revive – unintentional</td> <td></td> </tr> <tr> <td>1460 \$130</td> <td>1460 \$130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1806 \$180</td> <td>1806 \$180</td> <td>Submission of Information Disclosure Statement</td> <td style="text-align: right;">\$180</td> </tr> <tr> <td>1809 \$770</td> <td>2809 \$385</td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> <td></td> </tr> <tr> <td>1810 \$770</td> <td>2810 \$385</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1811 \$100</td> <td>1811 \$100</td> <td>Certificate of Correction</td> <td></td> </tr> <tr> <td>1504 \$300</td> <td>1504 \$300</td> <td>Publication fee for early, voluntary, or normal publication/Republication fee</td> <td></td> </tr> <tr> <td>1801 \$770</td> <td>2801 \$385</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td colspan="3">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td style="text-align: right;"><b>\$ 180.00</b></td> </tr> <tr> <td colspan="4" style="text-align: center; padding-top: 5px;">Reduced by Basic Filing Fee Paid</td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL FROM 1</b></td> <td style="text-align: right;"><b>\$ 0.00</b></td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL FROM 2</b></td> <td style="text-align: right;"><b>\$ 0.00</b></td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL FROM 3</b></td> <td style="text-align: right;"><b>\$ 180.00</b></td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>TOTAL AMOUNT OF PAYMENT</b></td> <td style="text-align: right;"><b>\$ 180.00</b></td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee Code			1051 \$130	2051 \$65	Surcharge – late filing fee or oath		1052 \$50	2052 \$25	Surcharge – late provisional filing fee or cover sheet		1812 \$2,520	1812 \$2,520	For filing a request for reexamination		1251 \$110	2251 \$55	Extension for reply within first month		1252 \$420	2252 \$210	Extension for reply within second month		1253 \$950	2253 \$475	Extension for reply within third month		1254 \$1,480	2254 \$740	Extension for reply within fourth month		1255 \$2,010	2255 \$1,005	Extension for reply within fifth month		1401 \$330	2401 \$165	Notice of Appeal		1402 \$330	2402 \$165	Filing a brief in support of an appeal		1403 \$290	2403 \$145	Request for oral hearing		1452 \$110	2452 \$55	Petition to revive – unavoidable		1814 \$110	2814 \$55	Terminal Disclaimer		1453 \$1,330	2453 \$665	Petition to revive – unintentional		1460 \$130	1460 \$130	Petitions to the Commissioner		1806 \$180	1806 \$180	Submission of Information Disclosure Statement	\$180	1809 \$770	2809 \$385	Filing a submission after final rejection (37 CFR 1.129 (a))		1810 \$770	2810 \$385	For each additional invention to be examined (37 CFR 1.129(b))		1811 \$100	1811 \$100	Certificate of Correction		1504 \$300	1504 \$300	Publication fee for early, voluntary, or normal publication/Republication fee		1801 \$770	2801 \$385	Request for Continued Examination (RCE)		Other fee (specify) _____				<b>SUBTOTAL (3)</b>			<b>\$ 180.00</b>	Reduced by Basic Filing Fee Paid				<b>SUBTOTAL FROM 1</b>			<b>\$ 0.00</b>	<b>SUBTOTAL FROM 2</b>			<b>\$ 0.00</b>	<b>SUBTOTAL FROM 3</b>			<b>\$ 180.00</b>	<b>TOTAL AMOUNT OF PAYMENT</b>			<b>\$ 180.00</b>
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Printed Name: Bruce H. Cottrell				Reg. No. 30,620																																																																																																																									
Signature: 				Date: September 2, 2004 Telephone (505) 667-9168																																																																																																																									



Rev. 03/05/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James R. Groves

Docket No.: S-100,536

Serial No.: 10/624,348

Examiner: C. Cooke

Filed : 7/21/2003

Art Unit: 1754

For : BIAXIALLY TEXTURED COMPOSITE SUBSTRATES

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56, 1.97, AND 1.98**

Sir:

The documents listed below are identified in compliance with the duty of disclosure defined in 37 CFR 1.56. Copies are attached as appropriate.

1. Sambasivan et al., "High Temperature Amorphous Composition Based On Aluminum Phosphate," US 6,461,415, Issued October 8, 2002.
2. Sambasivan, "Alcohol-Based Precursor Solutions For Producing Metal Phosphate Materials and Coating," US 6,036,762, Issued March 14, 2000.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

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☒ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the:  
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**FACSIMILE**

☐ transmitted by facsimile to the  
United States Patent and Trademark Office.

*Bruce H. Cottrell*

Signature

Date September 2, 2004

Bruce H. Cottrell

(type or print name of person certifying)

09/08/2004 ANQND AF1 00000083 122150 10624348

02 FC:1806

180.00 DA

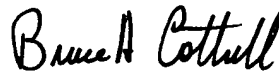
3. Sambasivan et al., "High Temperature Amorphous Composition Based on Aluminum Phosphate," US 2003/0138673,  
Issued July 24, 2003
4. Sambasivan et al., "Aluminum Phosphate Compounds, Compositions, Materials and Related Metal Coatings," US 2004/0138058,  
Issued July 15, 2004.
5. Sambasivan et al., "High Temperature Amorphous Composition Based on Aluminum Phosphate," US 2004/0011245.  
Issued January 22, 2004.

This Information Disclosure Statement is not to be construed as a representation that a search has been made or that additional matter material to the examination of this application does not exist. Applicant does not believe that any of these citations constitutes prior art under 35 U.S.C. 102.

It is requested that the above citations be made of record in the prosecution of this application.

Respectfully submitted,

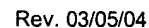
Date: September 2, 2004



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Signature of Attorney

Reg. No. 30,620  
Phone (505) 667-9168

Bruce H. Cottrell  
Los Alamos National Laboratory  
LC/IP, MS A187  
Los Alamos, New Mexico 87545



PTO form 1449A

*Complete if Known*

(use as many sheets as necessary)

Application Number	10/624,348
Filing Date	7/21/2003
First Named Inventor	James R. Groves
Art Unit	1754
Examiner Name	C. Cooke
Attorney Docket Number	S-100,536

[illegible]

Examiner Initials	Cite No.	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Examiner Signature				Date Considered		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant..

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.